

2121
#24

TRANSMITTAL LETTER			Case No.
Serial No. 09/520,578	Filing Date March 8, 2000	Examiner Joseph P. Hirl	Group Art Unit 2121
Inventor(s) Edy S. Liongosari			
Title of Invention KNOWLEDGE MODEL-BASED INDEXING OF INFORMATION			

TO THE COMMISSIONER FOR PATENTS

- ☐ Transmitted herewith is **Fourth Supplemental Information Disclosure Statement, PTO Form 1449 and 19 references**
- ☐ Small entity status of this application under 37 CFR § 1.27 has been established by verified statement previously submitted.
- ☐ Applicant claims small entity status. See 37 CFR 1.27.
- ☐ Petition for a _____ month extension of time.
- ☒ No additional fee is required.
- ☐ The fee has been calculated as shown below:

RECEIVED

MAR 16 2004

Technology Center 2100

	Claims Remaining After Amendment		Highest No. Previously Paid For	Present Extra
Total		Minus		
Indep.		Minus		
First Presentation of Multiple Dep. Claim				

Small Entity	
Rate	Add'l Fee
x \$9=	
x 43=	
+\$145=	
Total add'l fee	\$

Other Than Small Entity	
Rate	Add'l Fee
x \$18=	
x \$86=	
+\$290=	
Total add'l fee	\$

- ☐ Please charge Deposit Account No. 23-1925 (BRINKS HOFER GILSON & LIONE) in the amount of \$_____. A duplicate copy of this sheet is enclosed.
- ☐ A check in the amount of \$_____ to cover the filing fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge payment of any additional filing fees required under 37 CFR § 1.16 and any patent application processing fees under 37 CFR § 1.17 associated with this communication or credit any overpayment to Deposit Account No. 23-1925. A duplicate copy of this sheet is enclosed.
- ☒ I hereby petition under 37 CFR § 1.136(a) for any extension of time required to ensure that this paper is timely filed. Please charge any associated fees which have not otherwise been paid to Deposit Account No. 23-1925. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

Dean E. McConnell
Dean E. McConnell
Registration No. 44,916
Attorney for Applicant
Customer No. 33391

BRINKS HOFER GILSON & LIONE
One Indiana Square, Suite 1600
Indianapolis, IN 46204

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to:
Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on March 9, 2004.

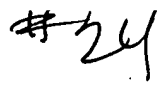
Date:

March 9, 2004

Signature:

Deanna L. Hasler
Deanna L. Hasler

RECEIVED
MAR 17 2004
TC 2100



I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first-class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on March 9, 2004.

Date, C.J., "An Introduction to Database Systems," pp. 38-39, 48-52, 491-493, 792-797; Vol. I,

Fifth Ed., Addison-Wesley System Programming Series, © 1990 Addison-Wesley Publishing Co., Inc.

Screenshots from Visio 4.0 for Microsoft Windows, © 1991-1995 Vision Corporation.

Poulovassilis, A. and Levene, M., "A Nested-Graph Model for the Representation and Manipulation of Complex Objects," pp. 35-68, ACM Transactions on Information Systems, Vol. 12, No. 1, January 1994.

Wang, B., Hitchcock, P., Holden, T., "Linking Object Oriented Database and Hypertext to Support Software Documentation," pp. 149-156, ACM SIGDOC '92, Proc. 10th Ann. Int. Conf. on Systems Documentation, © ACM 1992.

Baecker, H.D., "Garbage Collection for Virtual Memory Computer Systems," pp. 981-986, Comm. of the ACM, Vol. 15, No. 11, Nov. 1972 © 1972, Association for Computing Machinery, Inc.

Swaminathan, K., "RA: A Memory Organization to Model the Evolution of Scientific Knowledge," pp. 23-30, 62-79, COINS Technical Report 90-80, Sept. 1990.

Halasz, F.G., Moran, T.P., Trigg, R.H., "NoteCards in a Nutshell," pp. 45-51, Proceedings of CHI'87, © 1987 ACM

Andrews, K., "Visualising Cyberspace: Information Visualisation in the Harmony Internet Browser," pp. 97-104, Proc. Of First IEEE Symposium on Information Visualization, Atlanta, GA, Oct. 1995.

Mukherjea, S., Foley, J.D., "Visualizing the World-Wide Web with the Navigational View Builder," Computer Networks & ISDN System, Special Issue on 3rd Int. Conf. On the World-Wide Web '95, April 1995, Darmstadt, Germany.

Lamping, J., Rao, R., Pirolli, P., "A Focus+Context Technique Based on Hyperbolic Geometry for Visualizing Large Hierarchies," pp. 1-8, Reprinted From: Proc. ACM SIGCHI Conf. On Human Factors in Computing Systems, Denver, May 1995, ACM.

Robertson, G.G., Mackinlay, J.D., Card, S.K., "Cone Trees: Animated 3D Visualizations of Hierarchical Information," pp. 189-193, Proc. Conf. Human Factors in Computing Systems (CHI'91) © ACM 1991.

Kumar, H.P., Plaisant, C., Shneiderman, B., "Browsing Hierarchical Data with Multi-Level Dynamic Queries and Pruning," pp. 1-6 of 24, and 22 of 24; Int. Jour. Human-Computer Stud., 1996, 46(1); URL: <ftp://ftp.cs.umd.edu/pub/hcil/Reports-Abstracts-Bibliography/3474>

Hara, Y., Keller, A.M., Rathmann, P.K., Wiederhold, G., "Implementing Hypertext Database Relationships through Aggregations and Exceptions," pp. 1-4, Stanford Technical Report, 1991.

Miriyala, K., Hornick, S.W., Tamassia, R., "An Incremental Approach to Aesthetic Graph Layout," Proc. 6th Int. Workshop on Computer-Aided Software Engineering, CASE '93, 1993.

Roth, S.F., Kolojejchick, J., Mattis, J., Goldstein, J., "Interactive Graphic Design Using

Automatic Presentation Knowledge," pp. 112-117 & p. 476, Proc. Of CHI'94 Conf. Boston, April 1994 © 1994 ACM.

Mackinlay, J., "Automating The Design of Graphical Presentations of Relational Information," ACM, pp. 110-141, ACM Transactions on Graphics, Vol. 5, No. 2, April 1986.

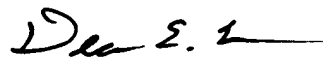
Ichimura, S. and Matsushita, Y., "Another Dimension to Hypermedia Access," pp. 63-72, Hypertext '93 Proceedings, © ACM 1993

In accordance with 37 C.F.R. § 1.97(g),(h), this Fourth Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

This Fourth Supplemental Information Disclosure Statement is being filed prior to the receipt of the first Official Action reflecting an examination on the merits and hence is believed to be timely filed in accordance with 37 C.F.R. § 1.97(b). No fees are believed to be due in connection with filing of this Fourth Supplemental Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these material, the Commissioner is hereby authorized to deduct said fees from Brinks Hofer Gilson & Lione Deposit Account No. 23-1925. A duplicate copy of this document is enclosed.

Applicant(s) respectfully request that the listed documents be made of record in the present case.

Respectfully submitted,



Dean E. McConnell
Attorney Reg. No. 44,916

DEM/dlh

BRINKS HOFER GILSON & LIONE
One Indiana Square, Suite 1600
Indianapolis, Indiana 46204
Telephone: 317-636-0886
Facsimile: 317-634-6701